

CYCLE II EXTERNAL
ENVIRONMENTAL COMPLIANCE ASSESSMENT
PRELIMINARY FINDINGS REPORT

CAPE COD CANAL
Buzzards Bay, Massachusetts

U.S. Army Corps of Engineers
New England District
424 Trapelo Road
Waltham, Massachusetts
02254-9149

August 1997



**US Army Corps
of Engineers®**
New England District

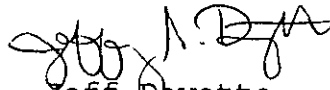
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27 August 1997

MEMORANDUM FOR Environmental Compliance Coordinator, NAE

SUBJECT: Environmental Compliance Assessment of Cape Cod Canal

1. Attached please find the Cycle II Preliminary Findings Report for the environmental compliance assessment conducted at the Cape Cod Canal on 4-5 April 1996.
2. A draft report was prepared and then discussed in a meeting with Canal staff on 24 July 1997. Their comments have been incorporated into the final report.
3. I recommend your approval for implementation.



Jeff Deyette

Encl

Operations Technical
Support Section

CMT 2

1. Environmental Compliance Assessment of Cape Cod Canal is:

Approved X Disapproved _____ for implementation as stated.



Bruce Williams, ECC
Operations Technical
Support Section

EXECUTIVE SUMMARY

An environmental compliance assessment of the Cape Cod Canal was conducted by a team of New England District environmental professionals on 4-5 April 1996. This was a Cycle II External Assessment. The Cycle I External Assessment was conducted from 6-7 August 1992.

The assessment was conducted as part of the U.S. Army Corps of Engineers Environmental Review Guide for Operations (ERGO) program. The ERGO program, developed by the U.S. Army establishes the use of environmental compliance assessments to ensure compliance with all applicable Federal, State, local, Department of Defense, and U.S. Army environmental laws and regulations.

A comprehensive ERGO assessment considers 13 major environmental compliance categories. For each category, Federal, state and local laws, Department of Defense and U.S. Army Corps of Engineers regulations, and good management practices are reviewed.

Overall the project was well maintained. The summary of deficiencies at the Cape Cod Canal is as follows:

Significant Deficiencies - 0

Problems that pose a direct and immediate threat to human health, safety, the environment or the facility's mission, and require immediate attention.

Major Deficiencies - 5

Problems that require action, but not necessarily immediate action, and pose a threat to human health, safety or the environment.

Minor Deficiencies - 17

Deficiencies that are usually administrative in nature. These problems require monitoring or planning for future mitigation.

Management Practice - 2

Items noted are not specifically covered by a distinctive regulatory requirement; however, they still require management attention.

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THE ERGO PROGRAM

The U.S. Army Corps of Engineers initiated the Environmental Review Guide for Operations (ERGO) program as a comprehensive self-evaluation and program management system for achieving, maintaining, and monitoring compliance with environmental laws and regulations at Corps of Engineers projects and facilities. Objectives of the ERGO program are to:

- 1) Enhance Corps of Engineers environmental compliance at Federal, State and local levels.
- 2) Improve Corps of Engineers environmental management.
- 3) Build supporting financial programs and budgets.
- 4) Assure supervisors that their environmental programs are being implemented effectively in accordance with Corps of Engineers goals and objectives.

Periodic environmental compliance assessments have been deemed necessary. These evaluations are designed to assess environmental compliance and provide necessary feedback to Project Managers for organizing, directing, and controlling environmental compliance and protection activities.

New England District's (NAE's) ERGO program became operational in 1991. Because it is responsible for the majority of USACE facilities, Construction/Operations Directorate is tasked with the development and implementation of the ERGO program. Every five years, each NAE project undergoes an external environmental compliance assessment. This assessment is conducted by a team of environmental professionals. Every NAE project has already had one external environmental compliance assessment. The assessment described in this report is the second external assessment for this project, and is therefore known as a Cycle II External Environmental Compliance Assessment. The project itself is responsible for performing an internal self-assessment annually, with the exception of those years when an external assessment is being completed.

ASSESSMENT PROCEDURES

The ERGO assessment of the Cape Cod Canal was conducted by a seven person team comprised of NAE personnel, and took place on 4-5 April 1996. The team followed a three phase approach. The first phase was to obtain pre-assessment information concerning its on-site activities (see Appendix A - Previsit Questionnaires) and research applicable Federal, State and local environmental regulations. This culminated in the development of site/facility-specific categories.

The second phase involved the on-site portion of the assessment. This involved an interview with project staff, followed by a facility tour, including major outgrants, to obtain a general overview of the facility operations. Typically, the team members would interview project staff responsible for a particular functional area, visually inspect the operations, and verify that required written documentation was in place. When possible, all deficiencies were reported to facility personnel. The team concluded the on-site portion of the assessment by briefing the project staff to apprise them of the review team's preliminary findings.

The third phase involves writing a draft report and developing an action plan for addressing outstanding deficiencies. The evaluation of the Cape Cod Canal followed the above procedures and covered the elements set forth in the 13 ERGO compliance categories.

The assessment was conducted in accordance with the best professional judgement of the ERGO team members. It should be understood that the assessment is based on observations taken over a short span of time relative to the period under review. Efforts were directed toward reviewing major facets of environmental performance in the period covered and, therefore, it is important to recognize that this assessment may not necessarily identify all potential problems.

Successful completion of the site-specific environmental evaluation of the Cape Cod Canal was dependent on complete disclosure by project staff and outgrantees of all information regarding the operation and maintenance activities at the project. It should be noted that failure of the Engineer in Charge to provide complete or adequate information to the review team does not relieve the Engineer in Charge of the responsibility for compliance with environmental regulations.

ERGO PROGRAM OBJECTIVES

The Environmental Review Guide for Operations (ERGO) program guidance is embodied primarily in two publications: The Environmental Assessment and Management (TEAM) Guide, applicable to participating DoD components, and the Supplement to The Environmental Assessment and Management (TEAM) Guide, applicable to Corps of Engineers Civil Works activities, operating projects and floating plant, including outgranted lands and concessions. In addition, state-specific supplements are available for some states.

Objectives of the TEAM Guide are as follows:

1. Compile applicable Federal regulations with DoD component operations and activities.
2. Synthesize environmental regulations, management practices, and risk management issues into consistent and easy to use checklists.
3. Serve as an aid in the assessment process and management action development phases of DoD component environmental assessment programs.

Objectives of the Supplement to the TEAM Guide are as follows:

1. Compile applicable DoD regulations, and Engineer Regulations (ERs) associated with USACE operations and activities.
2. Synthesize regulations, management practices, and risk management issues into consistent and easy-to-use checklists.
3. Serve as a reference document and educational tool for daily operations.
4. Serve as a guide for implementing the U.S. Army Environmental Strategy Into the 21st Century, which emphasizes environmental stewardship as an integral part of everything the USACE does.

DESCRIPTION OF REGULATORY COMPLIANCE

This section of the report presents a description of finding categories that are governed by engineering regulations, engineering manuals, and Federal, state, and local regulations. Non-regulatory items, which are referred to in this report as management practices, are of a lower priority but require attention to correct.

Deficiencies noted in this evaluation will be categorized as follows:

SIGNIFICANT DEFICIENCY:

A problem categorized as significant requires immediate attention. It poses, or has a high likelihood to pose, a direct and immediate threat to human health, safety, the environment, or the facility's mission.

MAJOR DEFICIENCY:

A major deficiency requires action, but not necessarily immediate action. Major deficiencies may pose a threat to human health, safety or the environment. Any immediate threat, however, must be categorized as significant.

MINOR DEFICIENCY:

Minor deficiencies are usually administrative in nature, even though those findings might possibly result in a notice of violation. This category may also include temporary or occasional instances of noncompliance.

MANAGEMENT PRACTICE:

Management practice items are those for which there is no specific regulatory requirement; however they still require management attention.

SUMMARY OF DEFICIENCIES BY CATEGORY

Cape Cod Canal

ERGO Compliance Categories	Findings			
	Significant	Major	Minor	Management Practice
Air Emissions Management	0	0	0	0
Cultural Resources Management	0	0	1	1
Hazardous Materials Management	0	2	1	0
Hazardous Waste Management	0	0	0	0
Natural Resources Management	0	0	7	0
Other Environmental Issues	0	0	0	0
Pesticide Management	0	0	0	0
POL Management	0	0	2	0
Solid Waste Management	0	1	1	0
Storage Tank Management	0	0	1	1
Toxic Substances Management	0	1	1	0
Wastewater Management	0	1	2	0
Water Quality Management	0	0	1	0
Totals	0	5	17	2

AIR EMISSIONS MANAGEMENT

No Findings

CULTURAL RESOURCES MANAGEMENT

Cultural Resources Management

Narrative-

An Archaeological Reconnaissance Survey of the Cape Cod Canal was completed in 1994 and was discussed among other issues during the recent ERGO site visits. It appears that archaeological resources which were identified in the report will be afforded appropriate attention and any future development coordinated with the Evaluation Branch, Engineering-Planning Division. Four sites were identified as potentially eligible to the National Register of Historic Places, while a fifth site (Bourne Pond) was not eligible. No threats to these resources are anticipated in the near future. If future impacts are expected at any of the identified prehistoric sites (Hog Island, Sagamore Hill (2), Herring Run), then further archaeological studies (Phase II Site Examination and possibly Phase III Data Recovery) may be necessary at that time. Please note Table 7-2 and pages 161-162 of the Archaeological Survey Report for specific recommendations concerning the prehistoric sites.

As indicated within the survey report, an historic sites evaluation was recommended for 15 properties within the project area which are at least 50 years old and have not been documented on Massachusetts Historical Commission survey forms and evaluated for their National Register of Historic Places eligibility (Six properties at the Canal have previously been documented and evaluated. See Table 6-3 of the Survey report.). The 15 properties are listed in Table 7-3 of the Survey report, pages 165-166. Due to a lack of funding, only the archaeological component of the survey was completed with an overview of the historic properties. In order to develop a comprehensive historic properties management plan for the Cape Cod Canal, these remaining historic sites should be the subject of further evaluation in order to fulfill our obligations under Section 110 of the National Historic Preservation Act of 1966, as amended. Any new renovations, modifications or construction at any of the 15 properties not evaluated as well as at the 3 properties already determined eligible for the National Register (Bourne and Sagamore Bridges, Coast Guard Boathouse) should be coordinated with the Evaluation Branch, Engineering-Planning Division early in the planning stages.

A copy of 36 CFR Part 79-Curation of Federally Owned and Administered Archaeological Collections will be sent to the Canal Office (Ranger Station). All Federal archaeological collections must be maintained in accordance with this guidance. This should be curated with the Archaeological Survey Reports, cultural resources or artifacts found during the survey and all other associated documentation. The popular version of the Survey report (for the general public) should be kept separate from the original technical archaeological report which contains archaeological site locations. These site locations are exempt from the Freedom of Information Act requirements and should not be divulged to the public or others.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The 15 historic properties identified within the Canal project area in the Archaeological Survey Report have not been subjected to further documentation and evaluation. See Photos #2 and #3 in Appendix B.

Criteria (What is the actual requirement?)

C.5.1. All Federal agencies are required to establish a program to locate, inventory, and nominate to the SOI all properties under the agency's ownership or control that appear to qualify for inclusion on the National Register of Historic Places (36 CFR 60.9).

Suggested Solutions:

The 15 historic properties should be comprehensively studied and evaluated to include the preparation of Massachusetts Historical Commission (MHC) inventory forms and evaluation of the properties in consultation with the MHC in order to determine the properties' eligibility for listing in the National Register of Historic Places. Any questions concerning the nomination process should be directed to NAE's Archeologists.

Comments:

Section 110 of the National Historic Preservation Act mandates that the Corps locate, inventory, and nominate properties within their jurisdiction to the National Register. In addition, to the four identified prehistoric sites (Sagamore Hill (2), Hog Island, Herring Run), three historic sites (Bourne and Sagamore Bridges, and Coast Guard Boat House) have been previously documented and evaluated, and are eligible for the National Register of Historic Places.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Herring Run archaeological site

Type of Finding: NEGATIVE

Finding Category: MANAGEMENT PRACTICE

Condition (What did you find?)

Mountain bikes are known to use the hiking trail adjacent to the Herring Run in the area where a potentially significant archaeological site is located. See Photo #1 in Appendix B.

Criteria (What is the actual requirement?)

C.2. On land held in fee by the Federal government under the administration and jurisdiction of the Corps, historic properties are required to be protected and managed and have damage mitigated (ER 1130-2-438, para 7f).

Suggested Solutions:

Bikes should be kept on the existing trail, perhaps through the use of signs and/or the use of chips and boards to protect the most sensitive areas. In addition, continue to check on rates of trail erosion, ruts or other damage in areas around the trail. Intact soils could be impacted where further remains may be located. If erosion persists in the future, access to this trail may have to be restricted.

Comments:

Under Section 110 of the National Historic Preservation Act of 1996, as amended, the Corps is required to locate, nominate and maintain cultural resources within their jurisdiction. As this is an identified site found during the archaeological survey, steps should be taken to ensure its protection.

HAZARDOUS MATERIALS MANAGEMENT

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MAJOR

Condition (What did you find?)

The facility does not have a written Oil and Hazardous Substances Pollution Contingency (OHSPC) Plan.

Criteria (What is the actual requirement?)

HM.4. Facilities must have a written OHSPC Plan for spill events (40 CFR 300.105(a) and ER 1130-2-434, para 7c).

Suggested Solutions:

Develop and finalize a written OHSPC Plan for the facility. Once finalized, the OHSPC Plan must be signed by a Professional Engineer and then approved by the District Environmental Compliance Coordinator and District Commander. The final OHSPC Plan must be submitted to the Regional Administrator, U.S. EPA, Region 1. The POC is David W. Tordoff, Emergency Response Section (617) 860-4362.

Comments:

Prior to finalization, the draft OHSPC Plan for the Cape Cod Canal should be sent to the U.S. Coast Guard for comment and coordination.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Sandwich Marina

Type of Finding: NEGATIVE

Finding Category: MAJOR

Condition (What did you find?)

Sandwich Marina does not have a written Oil and Hazardous Substances
Pollution Contingency (OHSPC) Plan.

Criteria (What is the actual requirement?)

HM.4. Facilities must have a written OHSPC Plan for spill events (40 CFR
300.105(a) and ER 1130-2-434, para 7c).

Suggested Solutions:

Develop and finalize a written OHSPC Plan for the facility. Prior to
finalization, the OHSPC Plan must be sent to the U.S. Coast Guard for
comment and coordination, and signed by a Professional Engineer.

Comments:

The OHSPC Plan must be submitted to the Regional Administrator, U.S. EPA,
Region 1, and copy submitted to the District Environmental Compliance
Coordinator.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Flammable/combustible storage room does not have a 4 inch raised sill or ramp to separate from adjacent room(s).

Criteria (What is the actual requirement?)

HM.35.6. Flammable/ combustible storage rooms inside of buildings must meet certain specifications (29 CFR 1910.106(d)(4)) [April 1995].

Suggested Solutions:

Construct required sill or ramp to separate flammable/combustible storage room from adjacent area(s). Ensure that the storage room floor is sealed to contain any releases.

Comments:

Plans are in progress to design and construct raised sill or ramp. Designs discussed included use of a portable ramp (to easily move drums, barrels, etc.; using a dolly) after permanent sill installation or use of a removable sill with rubber gaskets.

HAZARDOUS WASTE MANAGEMENT

No Findings

NATURAL RESOURCES MANAGEMENT

Natural Resources Management

Narrative-

The majority of natural resources compliance issues involve the preparation of documents (Master Plan, OMP, EA, etc.) and are repeat findings. The Cape Cod Canal is unique in that it provides nesting habitat to the Federally threatened Piping Plover. The Canal, in coordination with the state, has made efforts in the protection of nesting plovers at Scusset Beach. The Cape Cod Rare or Protected Species and Exemplary Natural Communities Survey (to be finalized in FY 1997) identified Stony Point Dike as having the potential to support 6-8 nest sites. The last recorded nesting there occurred in 1994 (one pair). The site is limited by significant human disturbance. This site would benefit from an active protection and education program. It is recommended that conservation efforts be increased by Canal personnel in an effort to fulfill nesting potential at this site. Neighbors could be contacted concerning the control of pets which have been observed wandering through the area. Signs could be placed at the site to educate individuals using the beaches, and active nest sites could be fenced. Weekend patrols to control/educate beach users would also be helpful.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The master plan for the Cape Cod Canal is outdated and may not reflect the current development of natural or man-made resources at this project.

Criteria (What is the actual requirement?)

NR.2. Master plans are required to be developed and kept current for all Civil Works projects and other fee owned lands for which the Corps has administrative responsibility for management (ER 1130-2-435, para 5, para 8, and para 9).

Suggested Solutions:

Update the master plan.

Comments:

The master plan for the Cape Cod Canal is currently being updated and is scheduled for completion in FY 1997.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The project's Operational Management Plan (OMP) has not been developed in coordination with its planning, real estate and safety elements.

Criteria (What is the actual requirement?)

NR.3. Water resources projects are required to develop and maintain a project OMP (ER 1130-2-400, para 6, para 9 through 11, and Appendix B).

Suggested Solutions:

The master plan is currently being prepared and should be completed during FY 1997. Prepare the OMP in accordance with ER 1130-2-550 and EP 1130-2-550, and ensure that it addresses all operational aspects in the master plan (ER 1130-2-550). Verify that the OMP has been approved by the District Commander and verify that the OMP is updated as required.

Comments:

An updated Fish and Wildlife Management Plan, Wildfire Prevention and Control Plan, and Forest Management Plan should be included in the OMP.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The project lacks Wildfire Prevention and Control Plans.

Criteria (What is the actual requirement?)

NR.6. Facilities and areas with potential exposure to wildfire are required to develop a wildfire prevention plan and a wildfire control plan (EM 385-1-1, para 09.K.01 and para 09.K.02).

Suggested Solutions:

Prepare the wildfire prevention and control plans, appropriate to the needs of the project, and in accordance with EM 385-1-1, (para 09.K.01 and para 09.K.02) and EP 1130-2-550.

Comments:

When completed, the Wildfire Prevention and Control Plans should be incorporated into the project OMP.

FINDING SUMMARY .

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The project lacks a current Forest Management Plan.

Criteria (What is the actual requirement?)

NR.8. Effective forest management is required to provide for the sustained production of timber and/or be compatible with multiple use resource management objectives (ER 1130-2-400, para 11(1)).

Suggested Solutions:

The project should prepare a Forest Management Plan, appropriate to the facility, and in accordance with ER 1130-2-550.

Comments:

When completed, the Forest Management Plan should be incorporated into the project OMP.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The project lacks a current Fish and Wildlife Management Plan.

Criteria (What is the actual requirement?)

NR.9. Emphasis should be placed on the maintenance and restoration of habitat favorable to the production of indigenous fish and wildlife.

Suggested Solutions:

The project should develop a Fish and Wildlife Management Plan in accordance with ER 1130-2-550 and EP 113-2-550.

Comments:

When completed, the Fish and Wildlife Management Plan should be incorporated into the project OMP.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The Cape Cod Canal Rare or Protected Species and Exemplary Natural Communities Survey will be finalized during FY 1997. Eleven State and Federally listed species were identified during the 1995 field survey. A Threatened/Endangered Species Management Plan has not been prepared to ensure protection of these species.

Criteria (What is the actual requirement?)

NR.20.1. Installations/CW facilities with Federally designated endangered and threatened species must carry out programs for their conservation (50 CFR 402.01 (a), 402.10, and 402.12).

Suggested Solutions:

The project should develop a Threatened/Endangered Species Management Plan to protect the identified rare species and communities.

Comments:

A Threatened/Endangered Species Management Plan has been scheduled for preparation during FY 1998. The plan should be completed in coordination with NAE's Endangered Species Coordinator.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

0406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The Environmental Assessment (EA) for the operation and maintenance of the Cape Cod Canal was written in 1977 and does not adequately describe existing resources, activities, or impacts.

Criteria (What is the actual requirement?)

NR.5. A protective vegetative cover or other measures shall be provided to control dust and erosion damage to land (ER 1130-2-400, para 11(c) and EM 1110-1-400, para 5-4).

Suggested Solutions:

Update the project EA.

Comments:

OTHER ENVIRONMENTAL ISSUES

No Findings

PESTICIDE MANAGEMENT

No Findings

**PETROLEUM, OIL AND LUBRICANT
MANAGEMENT**

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The facility does not perform mock spill or training events for potential petroleum and hazardous substance discharges (spills) in accordance with an approved OHSCP Plan.

Criteria (What is the actual requirement?)

PO.10.3. Facilities that are required to have a response plan are also required to develop and implement a facility response training program and a drill/exercise program that meet specific parameters (40 CFR 112.21).

Suggested Solutions:

Perform mock spill event and training exercises.

Comments:

The Engineer-in-Charge should implement a facility response training program, ensuring that all permanent project staff have attended First Responder training, and that a drill/exercise program is implemented.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Sandwich Marina

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The Sandwich Marina does not perform mock spill or training events for potential petroleum and hazardous substance discharges (spills) in accordance with an approved OHSCP Plan.

Criteria (What is the actual requirement?)

PO.10.3. Facilities that are required to have a response plan are also required to develop and implement a facility response training program and a drill/exercise program that meet specific parameters (40 CFR 112.21).

Suggested Solutions:

Perform mock spill event and training exercises.

Comments:

The facility should implement a response training program, ensuring that all employees have received First Responder training, and that a drill/exercise program is implemented.

SOLID WASTE MANAGEMENT

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MAJOR

Condition (What did you find?)

The 'pit area', a solid waste landfill located on Cape Cod Canal property, is not being operated in accordance with state solid waste regulations. See Photos #4 and #5 in Appendix B.

Criteria (What is the actual requirement?)

SO.3.1. Installations/ CW facilities are required to comply with state and local solid waste regulations concerning solid waste management (EO 12088, Section 1-1).

Suggested Solutions:

The Cape Cod Canal needs to (1) operate the solid waste landfill in accordance with state regulations, or (2) close the solid waste landfill in accordance with state regulations.

Comments:

State regulations relevant to the operation and/or closure of a solid waste landfill can be found in 310 CMR 16.00 and 310 CMR 19.00. Copies of these regulations, including NAE Counsel's opinion (Memo, dated 8 February 1993) on landfills at Corps of Engineers navigation projects in light of state regulations, are being re-sent to the Cape Cod Canal.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Sagamore Rifle Club

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Miscellaneous solid waste (e.g. used tires and creosote timbers) are present on-site at the Sagamore Rifle Club. See Photos #6 and #7 in Appendix B.

Criteria (What is the actual requirement?)

SO.3.1. Installations/ CW facilities are required to comply with state and local solid waste regulations concerning solid waste management (EO 12088, Section 1-1).

Suggested Solutions:

The observed solid waste should be disposed of off-site at a licensed solid waste disposal facility.

Comments:

As per 23 April 1996 memo from F.N. Ciccone to Real Estate Director, the aforementioned creosote timbers have been removed (copy attached).

23 April 1996
Norman/dlc/ext.20

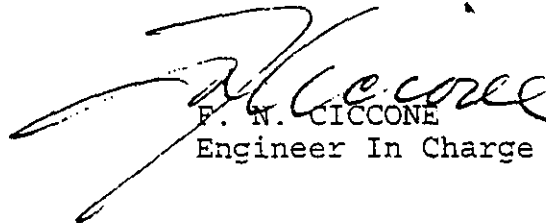
MEMORANDUM THRU: Director, Operations Directorate *ep 4/21/96*

FOR: Director, Real Estate Directorate

SUBJECT: License No. DACW33-3-86-16, Cape Cod Canal Sagamore Rifle Club

1. We have reviewed the Sagamore Rifle Club license and we recommend that the license be renewed for an additional five year period.

2. On 5 April 1996, as part of the Cape Cod Canal external ERGO inspection, the New England Division ERGO team inspected the Sagamore Rifle Club shooting range area. Although the ERGO team's report has not been submitted, we did note that the ERGO team identified several creosote treated posts in use as a barrier in the area near the entrance gate. In order to remove any possible impediment to the lease renewal, the Sagamore Rifle Club has removed all barrier posts containing creosote.


F. N. CICCONE
Engineer In Charge

CC
Canal File
Reading File

STORAGE TANK MANAGEMENT

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Gallo Ice Arena

Type of Finding: NEGATIVE

Finding Category: MANAGEMENT PRACTICE

Condition (What did you find?)

Newly installed 275 gallon diesel aboveground storage tank (AST) in the boiler room at the Gallo Ice Rink lacks secondary containment. The AST is located adjacent to the refrigeration room with floor drains that discharge to unknown areas beneath the ground (as-built drainage plans do not exist for this ice arena).

Criteria (What is the actual requirement?)

ST.5.1. All bulk storage tanks (over 660 gal [2498 L]) are required to be provided with a secondary means of containment for the entire contents of the largest single tank plus sufficient freeboard to allow for precipitation (40 CFR 112.1(d), 112.7(d), and 112.7(e)(2)(ii)).

Suggested Solutions:

Design and construct secondary containment for this AST sufficiently large to contain its capacity in the event of a leak. The secondary containment structure should also have a drainage valve.

Comments:

In accordance with EM 385-1-1 (Para. 19A.06(g), 1 October 1992), fuel storage tanks shall be diked or curbed to contain the tank contents in the event of leakage.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Scusset Beach State Park

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Scusset Beach State Park has not upgraded substandard underground storage tank (UST) systems in accordance with current regulations including but not limited to being fitted with spill and overflow prevention equipment, lining, cathodic protection, tightness tests and corrosion.

Criteria (What is the actual requirement?)

ST.25.1. Substandard UST systems are required to be upgraded, closed, or removed from service by 22 December 1998 (40 CFR 280.10(c) and 280.21(a) through 280.21(c)).

Suggested Solutions:

(1) Remove and replace old USTs with new approved USTs or (2) upgrade the existing USTs to current regulations prior to 22 December 1998.

Comments:

The Engineer-in-Charge should ensure that substandard UST is removed from service by compliance date.

TOXIC SUBSTANCES MANAGEMENT

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

The Cape Cod Canal Electrician has stated that there is an inventory of all PCB transformers, but could not produce the inventory. The inventory was submitted to be included into the GIS mapping and record system.

Criteria (What is the actual requirement?)

T1.2. Certain regulations and practices must be followed to ensure the health of personnel who come in contact with PCBs (ER 1130-2-423, para 7).

Suggested Solutions:

Obtain a copy of the inventory ensuring that all PCBs in transformers on-site are identified and appropriately labelled on their containers.

Comments:

40 CFR 761.40 and 761.45 regulate the labelling of items containing PCBs, including format and location of labels.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MAJOR

Condition (What did you find?)

An asbestos survey has not been conducted at the Cape Cod Canal.

Criteria (What is the actual requirement?)

T2.2. Facility buildings with the potential to be contaminated with asbestos should be tested and surveyed for asbestos and friable material.

Suggested Solutions:

Conduct an asbestos survey and monitor and maintain asbestos results. Any friable asbestos found on-site should be removed and access to those areas should be restricted.

Comments:

Due to the continued use of asbestos in construction products, all facilities and buildings, regardless of age, need to be surveyed.

WASTEWATER MANAGEMENT

Wastewater Management

Narrative-

Inspection of the Cape Cod Canal was carried out on 4 and 5 April 1996. No change was reported in water supply or disposal systems. Wastewater is disposed of through septic tanks and leaching fields with the exception of the greywater leaching pits at the Bourne Scenic Park, and the sink at the railroad bridge.

Resolution of Past Findings-

a. Minor Deficiency. Floor drains in the vehicle maintenance garage were connected to a septic tank and leaching field. These drains have been sealed.

b. Major Deficiency. Grey water leaching pits at the Bourne Scenic Park violated Board of Health and Mass. DEP regulations. An engineering firm, Horsley & Whitten, Inc., has been contracted to investigate remedies.

c. Minor Deficiency. Discharge of grey water from sink in railroad bridge. A continuing problem, see findings.

d. Potential Minor Deficiency. Joe's Lobster Mart discharging water from lobster pound into canal without a permit. This is considered an agricultural activity for which a permit is not needed.

e. Management Practice. Storm drains discharging to canal without an NPDES permit. NPDES permits not required for separate storm drains that do not receive industrial, municipal, or agricultural wastes or where storm runoff has not been identified by EPA's Regional Administrator, the State water pollution control agency, or an interstate agency as a significant contributor of pollution.

f. Potential Minor Deficiency. Gallo Ice Arena has a sump into which spills could flow into the canal. Enviro-Safe of Bourne has been contracted to investigate remedies.

Findings.

a. Minor Deficiency. Discharge from railroad bridge sink goes directly into canal without treatment. Criteria: Massachusetts Law prohibits discharge of any pollutant into waters

of the Commonwealth without a permit. Suggested Solution: Install a large planter at the base of the bridge pier (or elsewhere) and direct the sink wastes into it. Water that is not taken up by the plants and drips through the base of the planter will be adequately treated, especially if there is good growth in the planter. Comments: Although this is a very minor problem, it is a clear violation of Massachusetts Law. After discussions with a number of people in the Massachusetts Department of Environmental Protection, the head of the Alternative Treatments Section suggested the use of a planter to treat the discharge. This was the only option which seemed reasonable.

b. Minor Deficiency. Maintenance being performed on engines in the boat shop that has a floor drain connected to a septic tank and leaching field. Criteria: Massachusetts Regulations 310 CMR 27.00 regulate underground injection of fluids with the potential to contaminate groundwater. These regulations prohibit floor drains to septic systems or leach fields if a potential exists that pollutants could reach the groundwater. Drains should be connected to a sanitary sewer, connected to an approved holding tank, or sealed.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Discharge from the sink at the railroad bridge goes directly into the canal without treatment. See Photo #8 in Appendix B.

Criteria (What is the actual requirement?)

WA.3.1. Installations/ CW facilities are required to comply with state and local wastewater regulations (EO 12088, Section 1-1).

Suggested Solutions:

Install a large planter at the base of the bridge pier (or elsewhere) and direct the sink wastes into it. Water that drips through the base of the planter will be adequately treated, especially if something is growing in the planter.

Comments:

Although this is a minor problem, it is a clear violation of Massachusetts Law. Any discharge that does not fall under Clean Water Act Title V is subject to the regulation that preceded it (310 CMR 15.02). After discussions with a number of people in the Mass. DEP, the head of Alternative Treatments Section suggested the option above as an acceptable solution.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Maintenance work is being performed on boat engines in a shop with a floor drain connected to a septic tank and leaching field.

Criteria (What is the actual requirement?)

WA.3.1. Installations/ CW facilities are required to comply with state and local wastewater regulations (EO 12088, Section 1-1).

Suggested Solutions:

Unless exemption from the UIC regulations is obtained in writing from the Massachusetts DEP Division of Water Supply, the Canal should (1) connect the drain to a sanitary sewer, (2) connect the drain to an approved holding tank, or (3) seal the drain (assuming it provides no utility). Each action may require sampling, testing and permitting.

Comments:

Massachusetts DEP guidance concerning UIC regulations states that use of an injection well is prohibited where the potential exists for pollutants to enter (e.g. floor drain). The presence of hazardous substances associated with boat maintenance such as battery acid, solvents, cleaning solutions, waste oil, lubricants, and other engine fluids indicates that the potential to contaminate exists.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Gallo Ice Arena

Type of Finding: NEGATIVE

Finding Category: MAJOR

Condition (What did you find?)

The refrigeration room (and potentially others) at the Gallo Ice Arena has floor drains that discharge to unknown areas beneath the ground (as-built facility drainage plans do not exist for this ice arena).

Criteria (What is the actual requirement?)

1A.3.1. Installations/ CW facilities are required to comply with state and local wastewater regulations (EO 12088, Section 1-1).

Suggested Solutions:

Research and develop a set of as-built facility drainage plans for the Gallo Ice Arena to determine if the floor drain(s) ultimately pipe to any system discharging beneath the ground (such as a septic system, dry well, trap leading to a leachfield).

Comments:

10 CMR 27.00 regulates the underground injection of fluids with the potential to contaminate groundwater. Contaminants via leakage and/or spills from a variety of sources (such as 275 gallon AST, 55 gallon drums) pose a threat to the environment (subsurface soils and groundwater) via accidental release through floor drains that discharge to unknown areas beneath the ground.

WATER QUALITY MANAGEMENT

Water Quality Management

Narrative-

Inspection of the Cape Cod Canal was carried out on 4 and 5 April 1996. No change was reported in water supply or disposal systems. Most of the Corps facilities at the Cape Cod Canal continue to be supplied with municipal water, the exception being the well at the Midway Recreation Area.

Resolution of Past Findings-

- a. Minor Deficiency. Well at Midway Recreation Area was not registered. The well serving the midway recreation area was grandfathered in, and Canal personnel are getting a contractor as a certified operator. The well also needs a meter, which they are in the process of acquiring.
- b. Minor Deficiency. Test results from the Midway well need to be reported promptly to the State. A continuing problem, see findings.
- c. Management Practice. Project should be evaluated for its potential to contaminate the Cape Cod sole source aquifer. Because wastewater discharges are made so close to the canal their discharges are likely to be into brackish groundwater and unlikely to affect the sole source aquifer.
- d. Management Practice. Monitoring of bathing water quality should be carried out by the lease holder for the Scusset Beach State Park. The Commonwealth of Mass., the lease holder, monitors regularly.

Findings-

- a. Minor Deficiency. Test results from the Midway well need to be reported promptly to the State. Now that the well is registered, results can and should be reported.

FINDING SUMMARY

INDIVIDUAL FINDING SHEET

00406 MA CAPE COD CANAL
Midway Well

Type of Finding: NEGATIVE

Finding Category: MINOR

Condition (What did you find?)

Test results from the Midway Well are not reported promptly to the state.

Criteria (What is the actual requirement?)

WQ.3.1. Installations/ CW facilities are required to comply with state and local water quality regulations (EO 12088, Section 1-1 and 42 USC 300h-7(h)).

Suggested Solutions:

Now that the well is registered, test results should be promptly (within 24 hours) reported to the state.

Comments:

NEW ENGLAND DISTRICT
ERGO TEAM

Bruce Williams - Program Manager
Construction-Operations Division - Operations Technical Support Section

Joseph Horowitz - ERGO Team Leader
Engineering-Planning Division - Environmental Resources Section

Judi Johnson
Engineering-Planning Division - Environmental Resources Section

Robert Davis
Engineering-Planning Division - Environmental Resources Section

Marc Paiva
Engineering-Planning Division - Economic and Cultural Resources Section

Townsend Barker
Engineering-Planning Division - Water Quality Management Branch
Chairman, NAE's Water Quality Team

James Peck
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The ERGO Team would like to thank the following individuals who participated in the pre-assessment evaluation, field inspection and/or in the research and evaluation of environmental compliance guidance:

Cape Cod Canal Field Office

Frank Ciccone - Engineer in Charge

William Norman - Park Manager

Matt McClintock - Park Ranger

Christina Block - Park Ranger

John Pribilla - Park Ranger

APPENDICES

APPENDIX A:
Previsit Questionnaires

Cape Cod Canal

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Cape Cod Council
 Environmental POC: Matthew McClinton
 Telephone Number: (508) 759-4431

RESPONSE REFERENCE
 IN TEAM

Section 1. Air Emissions Management

- Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each:

No

If YES, see
 checklist item
 A.1.3

Type of Permit	Quantity

- Does the facility operate a fuel burner (central steam plant or hot water steam boiler)?

No

If YES, see
 checklist item
 A.10.1 through
 A.10.10

If YES, how large and what fuel is used?

Size	Fuel

- Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number.

No

If YES, see
 checklist item
 A.25.1 through
 A.25.3 and
 A.41.1 through
 A.45.8

Type	Number

- Does the facility operate fuel dispensing facilities?

yes

If YES, see
 checklist item
 A.55.1 through
 A.55.6

How many? _____

- Does the facility use any volatile organic compound (VOC) based solvent degreasers?

No

If YES, see
 checklist item
 A.1.3

6. Does the facility operate maintenance shops?

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

9. Does the facility repair any units containing refrigerant?

10. Does the facility recycle/reclaim CFCs or halon?

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

RESPONSE

REFERENCE
IN TEAM

yes

If YES, see
checklist item
A.1.3, A.85.1
through A.95.2

NO

If YES, see
checklist item
A.65.1 through
A.65.7

yes

If YES, see
checklist item
A.85.1 through
A.85.4

NO

If YES, see
checklist item
A.90.1 through
A.95.2

NO

If YES, see
checklist item
A.90.1 through
A.95.2

NO

If YES, see
checklist item
A.1.3

RESPONSE

REFERENCE
IN TEAM

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places? yes If YES, see checklist item C.5.1 through C.5.3
2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register? yes If YES, see checklist item C.5.1 through C.5.3
3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes? yes If YES, see checklist item C.5.1.1
4. Is there an on-staff Cultural Resources Coordinator? NO See Supplement
5. If not, does a staff person have cultural resources as "other duties as assigned"? yes See Supplement Lisa
6. Does the facility have any archeological artifacts in storage? yes If YES, see checklist item C.20.1 through C.20.9
Archives Room
36 CFR 79
7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains? no If YES, see checklist item C.15.1 through C.15.2
8. Are there any areas on the facility considered to have religious importance to any Native American Tribe? no If YES, see checklist item C.10.1

RESPONSE

**REFERENCE
IN TEAM**

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

yes

If YES, see
checklist item
HM.10.1
through
HM.10.2

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

yes

If YES, see
checklist item
HM.1.3

3. Does the facility store any extremely hazardous substances?

no

If YES, see
checklist item
HM.25.1

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

yes

If YES, see
checklist item
HM.30.1
through
HM.30.3

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

Diesel
unleaded gas

5. Does the facility store any flammable/combustible liquids?

yes

If YES, see
checklist item
HM.35.1
through
HM.40.3

6. Does the facility store any compressed gases?

yes

If YES, see
checklist item
HM.45.1

RESPONSE

**REFERENCE
IN TEAM**

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

yes

If YES, see
checklist item
HW.10.1
through
HW.10.2

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

no

If YES, see
checklist item
HW.15.1
through
HW.15.6

3. Does the facility generate more than 100 kg [220.46 lb, approx. 28 gal] but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

yes

If YES, see
checklist item
HW.20.1
through
HW.45.5

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

no

If YES, see
checklist item
HW.55.1
through
HW.90.6

**RESPONSE REFERENCE
IN TEAM**

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents Generated 953 lbs Accumulated 7232 lb

(This includes trichloroethane, Methylene, Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint 5475 Accumulated

- Paint stripper, remover or thinner 11 lbs Accumulated

- Spray paint booth air filters _____

- Pesticides, insecticides, herbicides _____

- NRC filters and test kits _____

- Super tropical bleach _____

- Ordnance, ammunition, explosives and residues _____

- Battery acid and caustics in unserviceable batteries _____

- Pharmaceuticals _____

- POL tank farm fuel system filters 50 lbs per month 1000 lbs Accum

- De-icing solution 5 lbs accumulated

- Printing ink, ink solvents, and cleaners _____

- Absorbent material and soil contaminated with hazardous waste _____

- Other _____

- Other _____

- Other _____

5. What Hazardous Waste permits have been applied for?

✓

If any, see
checklist item
HW.1.3

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal?

NO

If YES, see
checklist item
HW.105.1
through
HW.170.5

7. Does the facility operate accumulation points?

YES

See checklist
items based on
how much is
generated

How many? one

Where? Storage

	RESPONSE	REFERENCE IN TEAM
8. Does the facility operate satellite accumulation points? How many? _____	<u>NO</u>	See checklist items based on how much is generated
9. Does the facility treat hazardous waste onsite? How and where? _____	<u>NO</u>	If YES, see checklist item HW.105.1 through HW.255.3
10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point? Where? _____	<u>NO</u>	If YES, see checklist item HW.105.1 through HW.255.3
11. Does the facility dispose of hazardous waste onsite? How and where? _____	<u>NO</u>	If YES, see checklist item HW.105.1 through HW.255.3

RESPONSE	REFERENCE IN TEAM
----------	----------------------

Section 5. Natural Resources Management

- | | | |
|--|------------|--|
| 1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.) | <u>yes</u> | If YES, see checklist item NR.1.3 |
| 2. Does the facility have a plan for managing its natural resources? | <u>No</u> | See Supplement |
| 3. Are there any areas on the facility that have: | <u>yes</u> | If YES, see checklist item NR.10.1 through NR.10.3 |
| A. Wetlands? If so, are they permitted/regulated by definition? | | |
| B. Flood Plains? | | |
| 25-yr _____ | | |
| 50-yr _____ | | |
| 100-yr _____ | | |
| C. Shoreline? _____ | | |
| D. Forests? _____ | | |
| 4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated? | <u>yes</u> | If YES, see checklist item NR.20.1 through NR.20.3 |
| 5. Does the facility have any endangered species on its property? | <u>yes</u> | If YES, see checklist item NR.20.1 through NR.20.3 |

RESPONSE

REFERENCE
IN TEAM

Section 6. Other Environmental Issues

- | | | |
|---|------------|---|
| 1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, and environmental assessment (EA) or environmental impact statement (EIS)? | <u>YES</u> | If YES, see checklist item O1.1.1 through O1.5.14 |
| For current mission? | NO | |
| For future Master Plan? | NO | |
| Any construction projects, timber sales, etc.? | NO | |
| 2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)? | <u>YES</u> | If YES, see checklist item O2.1.1 through O2.1.3 |
| 3. Is the facility engaged in any real property transaction? | <u>NO</u> | If YES, see checklist item O5.1.1 through O5.1.3 and see Supplement |

RESPONSE

REFERENCE
IN TEAM

Section 7. Pesticide Management

1. Does the facility use pesticides?

yes

If YES, see
checklist item
PM.5.1 through
PM.20.2

Contractor application? yes

In-house application? no

Both contractor and in-house application? no

2. Are any pesticide wastes disposed of at the facility?

no

If YES, see
checklist item
PM.55.1

3. Are pesticides stored on the facility?

no

If YES, see
checklist item
PM.45.1
through PM.45.2

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

NA

Rodenticide
Roundup
Dryclean
Rockland Horticultural spray

5. Are pesticides used at offsite satellite facilities?

no

If YES, see
checklist item
PM.5.1 through
PM.45.2

6. Does the facility maintain a pesticide/entomology shop?

no

If YES, see
checklist item
PM.45.1
through PM.45.2

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

yes

See Supplement

RESPONSE

REFERENCE
IN TEAM

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans?

NO

If YES, see checklist item PO.5.1 through PO.5.7

2. Is the SPCC/ISC exercised annually (mock spill events conducted)?

NO

If YES, see checklist item PO.5.1 through PO.5.7

3. Does the facility store used oil?

yes

If YES, see checklist item PO.60.1 through PO.90.1

Where?

Storage yard in concrete vault

4. Does the facility have any pipelines?

NO

If YES, see checklist item PO.40.1 through PO.40.10

5. Does the facility operate any service stations?

NO

If YES, see checklist item PO.45.1 through PO.45.4

RESPONSE

REFERENCE
IN TEAM

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?

TYPE

NUMBER

Landfill

Incinerator

Transfer Point

2. Does the facility contract out the collection of its solid waste?

3. Does the facility have a:

solid waste recycling program? List commodities recycled:

Metal - cardboard Office paper
Aluminum cans

Construction debris landfill: ✓

Is it permitted?

Operated by: _____

4. Is waste transported offsite for disposal?

In landfills? yes

In incinerators? NO

Transfer Stations? NO

Recycling plant? yes

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

6. Does the facility receive refuse from outside the United States?

If YES, is laboratory testing performed? _____

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

If YES, how many? _____

yes

If YES, see
checklist item
SO.30.1 through
SO.95.2

yes

If YES, see
checklist item
SO.10.1 through
SO.10.6

yes

If YES, see
checklist item
SO.25.1 through
SO.25.4

If YES, see
checklist item
SO.1.3

NO

If YES, see
checklist item
SO.1.3

NO

If YES, see
checklist item
SO.100.1

NO

If YES, see
checklist item
SO.1.3

RESPONSE

REFERENCE
IN TEAM

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

yes

If YES, see checklist item ST.5.1 through ST.20.3 and ST.100.1 through ST.150.2

Location	Substance	Capacity
Salvage yard	Waste Oil	250 gal
Main yard	Diesel Fuel	

2. Does the facility have any USTs?

yes

If YES, see checklist item ST.25.1 through ST.95.7

Location	Quantity	Size	Material Stored	Permitted
Admin yard	2500		Gasoline	yes

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

no

If YES, see checklist item ST.95.1 through ST.95.7

4. Is there a program in place to manage unserviceable/abandoned tanks?

N/A

If YES, see checklist item ST.95.1 through ST.95.7

RESPONSE

REFERENCE
IN TEAM

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?

YES

If YES, see
checklist item
T1.10.1 through
T1.10.3

2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:

NO

If YES, see
checklist item
T1.20.1 through
T1.20.9 and
T1.30.1 through
T1.35.1

Transformers _____
Capacitors _____
Electromagnets _____
Heat Transfer or Hydraulic Systems _____
Circuit Breaker _____
Fluorescent Light Ballasts _____
Other _____

3. Does the facility dispose of PCBs or PCB items at the facility

NO

If YES, see
checklist item
T1.50.1 through
T1.50.11

4. Does the facility transport PCBs

NO

If YES, see
checklist item
T1.45.1 through
T1.45.2

5. Has the facility conducted a complete facility-wide asbestos survey?

YES

See Supplement

6. Does an Asbestos Management Plan exist?

YES

See Supplement

7. Is maintenance done on items insulated with asbestos?

NO

If YES, see
checklist item
T2.5.1 through
T2.10.1

8. Has the facility undergone any asbestos removal projects in the past?

YES

If YES, see
checklist item
T2.5.1 through
T2.10.1

How long ago? 12/92

By contract or in-house? contract

9. Is there any asbestos on the facility that has been removed and is awaiting disposal?

NO

If YES, see
checklist item
T2.15.1 through
T2.15.4

10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

NO

If YES, see
checklist item
T2.5.1 through
T2.10.1

Please identify those projects and buildings.

	RESPONSE	REFERENCE IN TEAM
11. Is asbestos material removed by contract or in-house personnel?	<u>N/A</u>	If YES, see checklist item T2.10.1
12. Does the facility monitor for radon gas?	<u>YES</u>	If YES, see checklist item T3.1.1 through T3.1.3
13. Is there a program to reduce radon threat?	<u>N/A</u>	See Supplement
14. Has the facility populace been informed of the final status?	<u>YES</u>	See Supplement
15. Is the facility performing any lead based paint removal?	<u>NO</u>	If YES, see checklist item T4.1.1 through T4.1.3

RESPONSE

REFERENCE
IN TEAM

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges:

NO

If YES, see
checklist item
WA.10.1 through
WA.10.6

Stormwater runoff permits? _____
Drainage water from dredge and fill materials? _____
Wastewater treatment plant? _____
How many and what size? _____
Process wastewater? _____
Heat/Power production cooling blowdown water? _____
Stormwater runoff from fuel dispensing areas, airfields, and parking
lots/aprons and maintenance facilities? _____
Vehicle wash facilities? How many? _____
Plating shops? _____
Does the facility maintain sedimentation holding ponds or
seepage pits from vehicle/aircraft washing, maintenance shop
drainage (shop operations and motor parks), and other activities?

Operate cooling towers and pass through water? _____
Septic Systems? _____
Fresh water wetlands? _____
Industrial waste system/discharge? _____
Lines which bypass treatment structures? _____
Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following?

NO

If YES, see
checklist item
WA.10.1 through
WA.25.9

Process wastewater? _____
Domestic (sanitary) wastewater? _____
Industrial wastewater treatment plant effluent? _____
Other? _____

3. Are there any discharge bypass lines in the system?

N/A

If YES, see
checklist item
WA.25.1 through
WA.25.9

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations?

NO

If YES, see
checklist item
WA.1.3

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

5. What percent of vehicle maintenance is performed by contract?

10%

If YES, see
checklist item
WA.1.3

Is it performed onsite or offsite? offsite

RESPONSE

**REFERENCE
IN TEAM**

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

yes

If YES, see
checklist item
WQ.10.1
through
WQ.30.3

2. Does the facility maintain wellheads?

yes

If YES, see
checklist item
WQ.1.3

3. Does the facility operate an underground injection well?

NO

If YES, see
checklist item
WQ.1.3

4. Are there groundwater aquifers on the facility?

yes

If YES, see
checklist item
WQ.95.1

Are they in use? _____

5. Is the facility located on a sole source aquifer?

yes

If YES, see
checklist item
WQ.95.1

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

NO

If YES, see
checklist item
WQ.95.1

7. Are field water purification units used?

NO

See Supplement

How is the backwash managed from these mobile units?

Signature of individual completing this form: _____

Date completed: _____

2/23/96

Sagamore Rifle Club

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Sagamore Rifle Club
 Environmental POC: _____
 Telephone Number: 508 866 9025

RESPONSE

Section 1. Air Emissions Management

- Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each:

NO

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

- Does the facility operate a fuel burner (central steam plant or hot water steam boiler)?

NO

If YES, how large and what fuel is used?

Size	Fuel
_____	_____
_____	_____
_____	_____

- Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number.

NO

Type	Number
_____	_____
_____	_____
_____	_____

- Does the facility operate fuel dispensing facilities?

NO

How many? _____

- Does the facility use any volatile organic compound (VOC) based solvent degreasers?

NO

RESPONSE

6. Does the facility operate maintenance shops?

NO

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

NO

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

NO

9. Does the facility repair any units containing refrigerant?

NO

10. Does the facility recycle/reclaim CFCs or halon?

NO

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

NO

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places? NO
2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register? NO
3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes? NO
4. Is there an on-staff Cultural Resources Coordinator? NO
5. If not, does a staff person have cultural resources as "other duties as assigned"? NO
6. Does the facility have any archeological artifacts in storage? NO
7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains? NO
8. Are there any areas on the facility considered to have religious importance to any Native American Tribe? NO

RESPONSE

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

NO

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

NO

3. Does the facility store any extremely hazardous substances?

NO

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

NO

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

5. Does the facility store any flammable/combustible liquids?

NO

6. Does the facility store any compressed gases?

NO

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

NO

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

NO

3. Does the facility generate more than 100 kg [220.46 lb, approx. 28 gal] but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

NO

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

NO

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents _____

(This includes trichloroethane, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint _____

- Paint stripper, remover or thinner _____

- Spray paint booth air filters _____

- Pesticides, insecticides, herbicides _____

- NRC filters and test kits _____

- Super tropical bleach _____

- Ordnance, ammunition, explosives and residues _____

- Battery acid and caustics in unserviceable batteries _____

- Pharmaceuticals _____

- POL tank farm fuel system filters _____

- De-icing solution _____

- Printing ink, ink solvents, and cleaners _____

- Absorbent material and soil contaminated with hazardous waste _____

- Other _____

- Other _____

- Other _____

5. What Hazardous Waste permits have been applied for? _____

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal? _____

7. Does the facility operate accumulation points? _____

How many? _____

Where? _____

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

N/A

9. Does the facility treat hazardous waste onsite?

N/A

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point?

N/A

Where? _____

11. Does the facility dispose of hazardous waste onsite?

N/A

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.) yes
2. Does the facility have a plan for managing its natural resources? no
3. Are there any areas on the facility that have:
A. Wetlands? If so, are they permitted/regulated by definition?
B. Flood Plains?
25-yr _____
50-yr _____
100-yr _____
C. Shoreline? _____
D. Forests? _____
4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated? no
5. Does the facility have any endangered species on its property? no

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)?

no

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)?

yes

3. Is the facility engaged in any real property transaction?

No

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

No

Contractor application? _____

In-house application? _____

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

No

3. Are pesticides stored on the facility?

No

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

No

5. Are pesticides used at offsite satellite facilities?

No

6. Does the facility maintain a pesticide/entomology shop?

No

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

No

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans? NO
2. Is the SPCC/ISC exercised annually (mock spill events conducted)? NO
3. Does the facility store used oil? NO
Where?

4. Does the facility have any pipelines? NO
5. Does the facility operate any service stations? NO

RESPONSE

Section 9. Solid Waste Management

- Does the facility have a solid waste management facility onsite?
TYPE NUMBER

no

Landfill _____
Incinerator _____
Transfer Point _____

- Does the facility contract out the collection of its solid waste?

no

- Does the facility have a:

no

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted?

Operated by: _____

- Is waste transported offsite for disposal?

no

In landfills? _____

In incinerators? _____

Transfer Stations? _____

Recycling plant? _____

- Does the facility dispose of ash residue or sludge:

no

Offsite? _____

Onsite? _____

- Does the facility receive refuse from outside the United States?

no

If YES, is laboratory testing performed? _____

- Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

no

If YES, how many? _____

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

NO

Location	Substance	Capacity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Does the facility have any USTs?

NO

Location	Quantity	Size	Material Stored	Permitted
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

NO

4. Is there a program in place to manage unserviceable/abandoned tanks?

NO

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?

NO

2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:

NO

Transformers_____

Capacitors_____

Electromagnets_____

Heat Transfer or Hydraulic Systems_____

Circuit Breaker_____

Fluorescent Light Ballasts_____

Other_____

3. Does the facility dispose of PCBs or PCB items at the facility

No

4. Does the facility transport PCBs

NO

5. Has the facility conducted a complete facility-wide asbestos survey?

NO

6. Does an Asbestos Management Plan exist?

NO

7. Is maintenance done on items insulated with asbestos?

NO

8. Has the facility undergone any asbestos removal projects in the past?

NO

How long ago? _____

By contract or in-house? _____

9. Is there any asbestos on the facility that has been removed and is awaiting disposal?

NO

10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

NO

Please identify those projects and buildings.

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

No

12. Does the facility monitor for radon gas?

No

13. Is there a program to reduce radon threat?

No

14. Has the facility populace been informed of the final status?

No

15. Is the facility performing any lead based paint removal?

No

RESPONSE

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges: No

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities? _____

Operate cooling towers and pass through water? _____

Septic Systems? _____

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following? No

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

3. Are there any discharge bypass lines in the system? No

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations? No

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

5. What percent of vehicle maintenance is performed by contract? No

Is it performed onsite or offsite? _____

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

No

2. Does the facility maintain wellheads?

No

3. Does the facility operate an underground injection well?

No

4. Are there groundwater aquifers on the facility?

No

Are they in use? _____

5. Is the facility located on a sole source aquifer?

No

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

No

7. Are field water purification units used?

No

How is the backwash managed from these mobile units?

Signature of individual completing this form: _____

GREG SOUSA - PRESIDENT JMS

Date completed: _____

3/13/96

Bourne Scenic Park

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Sourne Scenic Park
 Environmental POC: _____
 Telephone Number: (608) 733-7873

RESPONSE

Section 1. Air Emissions Management

- Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each:

No

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

- Does the facility operate a fuel burner (central steam plant or hot water steam boiler)?

No

If YES, how large and what fuel is used?

Size	Fuel
_____	_____
_____	_____
_____	_____

- Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number.

No

Type	Number
_____	_____
_____	_____
_____	_____

- Does the facility operate fuel dispensing facilities?

No

How many? _____

- Does the facility use any volatile organic compound (VOC) based solvent degreasers?

No

RESPONSE

6. Does the facility operate maintenance shops?

No

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

No

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

No

9. Does the facility repair any units containing refrigerant?

No

10. Does the facility recycle/reclaim CFCs or halon?

No

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

No

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places?

No

2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register?

No

3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes?

No

4. Is there an on-staff Cultural Resources Coordinator?

No

5. If not, does a staff person have cultural resources as "other duties as assigned"?

No

6. Does the facility have any archeological artifacts in storage?

7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains?

No

8. Are there any areas on the facility considered to have religious importance to any Native American Tribe?

No

RESPONSE

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

No

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

No

3. Does the facility store any extremely hazardous substances?

No

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

No

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

5. Does the facility store any flammable/combustible liquids?

Yes.

5 gal cans gasoline for
lawn mowers. 4/6 cans.

6. Does the facility store any compressed gases?

Yes.

1000 gal propane
tank - approx 3250 lbs.

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

No

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

No

3. Does the facility generate more than 100 kg [220.46 lb, approx. 28 gal] but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

No

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

No

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents 20

(This includes trichloroethane, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint 18
- Paint stripper, remover or thinner 5
- Spray paint booth air filters
- Pesticides, insecticides, herbicides 5
- NRC filters and test kits
- Super tropical bleach
- Ordnance, ammunition, explosives and residues
- Battery acid and caustics in unserviceable batteries
- Pharmaceuticals
- POL tank farm fuel system filters
- De-icing solution 1
- Printing ink, ink solvents, and cleaners
- Absorbent material and soil contaminated with hazardous waste
- Other
- Other
- Other

5. What Hazardous Waste permits have been applied for? No

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal? No

7. Does the facility operate accumulation points? No

How many? _____

Where? _____

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

No

9. Does the facility treat hazardous waste onsite?

No

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point?

No

Where? _____

11. Does the facility dispose of hazardous waste onsite?

No

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.) YES.
2. Does the facility have a plan for managing its natural resources? No
3. Are there any areas on the facility that have:
A. Wetlands? If so, are they permitted/regulated by definition?
B. Flood Plains?
25-yr ✓
50-yr ✓
100-yr ✓
C. Shoreline? YES
D. Forests? YES
4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated? No
5. Does the facility have any endangered species on its property? No

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)?

No

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)?

No

3. Is the facility engaged in any real property transaction?

No

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

No

Contractor application? _____

In-house application? _____

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

No

3. Are pesticides stored on the facility?

No

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

No

5. Are pesticides used at offsite satellite facilities?

No

6. Does the facility maintain a pesticide/entomology shop?

No

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

No

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans?

No

2. Is the SPCC/ISC exercised annually (mock spill events conducted)?

No

3. Does the facility store used oil?

No

Where?

4. Does the facility have any pipelines?

No

5. Does the facility operate any service stations?

No

RESPONSE

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?
TYPE _____ NUMBER _____

Landfill _____
Incinerator _____
Transfer Point _____

2. Does the facility contract out the collection of its solid waste?

WASTE MANAGEMENT CORP

3. Does the facility have a:

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted?

Operated by: _____

4. Is waste transported offsite for disposal?

In landfills? _____

In incinerators? _____

Transfer Stations? ☒ _____

Recycling plant? _____

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

6. Does the facility receive refuse from outside the United States?

If YES, is laboratory testing performed? _____

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

If YES, how many? _____

No

YES

No

YES

No

No

No

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

No

Location	Substance	Capacity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Does the facility have any USTs?

No

Location	Quantity	Size	Material Stored	Permitted
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

No

4. Is there a program in place to manage unserviceable/abandoned tanks?

No

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?

No

2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:

No

Transformers_____

Capacitors_____

Electromagnets_____

Heat Transfer or Hydraulic Systems_____

Circuit Breaker_____

Fluorescent Light Ballasts_____

Other_____

3. Does the facility dispose of PCBs or PCB items at the facility

No

4. Does the facility transport PCBs

No

5. Has the facility conducted a complete facility-wide asbestos survey?

No

6. Does an Asbestos Management Plan exist?

No

7. Is maintenance done on items insulated with asbestos?

No

8. Has the facility undergone any asbestos removal projects in the past?

No

How long ago? _____

By contract or in-house? _____

9. Is there any asbestos on the facility that has been removed and is awaiting disposal?

No

10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

No

Please identify those projects and buildings.

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

No

12. Does the facility monitor for radon gas?

No

13. Is there a program to reduce radon threat?

No

14. Has the facility populace been informed of the final status?

No

15. Is the facility performing any lead based paint removal?

No

RESPONSE

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges:

YES.

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities? _____

Operate cooling towers and pass through water? _____

Septic Systems? YES DUMP STATION + GRAY WATER

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following?

NO

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

NO

3. Are there any discharge bypass lines in the system?

NO

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations?

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

YES.

5. What percent of vehicle maintenance is performed by contract?

Is it performed onsite or offsite? 100% OFF SITE

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

YES.
Bayside Bay water

2. Does the facility maintain wellheads?

No

3. Does the facility operate an underground injection well?

No

4. Are there groundwater aquifers on the facility?

No

Are they in use? _____

5. Is the facility located on a sole source aquifer?

YES.

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

No

7. Are field water purification units used?

No

How is the backwash managed from these mobile units?

Signature of individual completing this form:

Ron Haley

Date completed:

3/6/96

Gallo Ice Rink

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: GALLO ICE ARENA
 Environmental POC: _____
 Telephone Number: _____

RESPONSE

Section 1. Air Emissions Management

1. Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each:

N/A

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

2. Does the facility operate a fuel burner (central steam plant or hot water steam boiler)?

Yes

If YES, how large and what fuel is used? HEAT, AND HOT WATER

Size	Fuel
<u>1250 G.P.</u>	<u>NAT. GAS</u>
_____	_____
_____	_____

3. Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number.

NO

Type	Number
_____	_____
_____	_____
_____	_____

4. Does the facility operate fuel dispensing facilities?

NO

How many? _____

5. Does the facility use any volatile organic compound (VOC) based solvent degreasers?

NO

RESPONSE

6. Does the facility operate maintenance shops?

NO

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

NO

9. Does the facility repair any units containing refrigerant?

NO

10. Does the facility recycle/reclaim CFCs or halon?

NO

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

NO

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places? NO
2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register? NO
3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes? NO
4. Is there an on-staff Cultural Resources Coordinator? NO
5. If not, does a staff person have cultural resources as "other duties as assigned"? NO
6. Does the facility have any archeological artifacts in storage?
7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains? NO
8. Are there any areas on the facility considered to have religious importance to any Native American Tribe? NO

RESPONSE

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

NO

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

NO

3. Does the facility store any extremely hazardous substances?

Yes

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

NO

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

5. Does the facility store any flammable/combustible liquids?

Yes

Gasoline

6. Does the facility store any compressed gases?

Yes

Helium

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

NO

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

~~YES~~ NO

3. Does the facility generate more than 100 kg (220.46 lb, approx. 28 gal) but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

NO

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

NO

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents _____

(This includes trichloroethane, Methylene, Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- ✓ Liquid paint 18 GALLONS YR.
- ✓ Paint stripper, remover or thinner 6 GALLONS YR
- Spray paint booth air filters _____
- ✓ Pesticides, insecticides, herbicides WEED KILLER, DIAZINON
- NRC filters and test kits _____
- ✓ Super tropical bleach FOR CLEANING
- Ordnance, ammunition, explosives and residues _____
- ✓ Battery acid and caustics in unserviceable batteries _____
- Pharmaceuticals _____
- POL tank farm fuel system filters _____
- ✓ De-icing solution _____
- Printing ink, ink solvents, and cleaners _____
- Absorbent material and soil contaminated with hazardous waste _____
- Other _____
- Other _____
- Other _____

5. What Hazardous Waste permits have been applied for? _____

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal? NO

7. Does the facility operate accumulation points? NO

How many? _____

Where? _____

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

NO

9. Does the facility treat hazardous waste onsite?

NO

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point?

Yes

Where? WASTE OIL FROM BACK UP ICE RESURFACER

11. Does the facility dispose of hazardous waste onsite?

NO

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.) NO
2. Does the facility have a plan for managing its natural resources? NO
3. Are there any areas on the facility that have:
YES
 - A. Wetlands? If so, are they permitted/regulated by definition? Yes
 - B. Flood Plains?
25-yr _____
50-yr _____
100-yr _____
 - C. Shoreline? _____
 - D. Forests? _____
4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated? NO
5. Does the facility have any endangered species on its property? NO

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)?

NO

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)?

NO

3. Is the facility engaged in any real property transaction?

NO

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

Yes

Contractor application? _____

In-house application? ✓

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

No

3. Are pesticides stored on the facility?

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

Weed Killer - Round Up
BUG SPRAY
DIAZINON

5. Are pesticides used at offsite satellite facilities?

No

6. Does the facility maintain a pesticide/entomology shop?

No

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

Yes

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans?

NO

2. Is the SPCC/ISC exercised annually (mock spill events conducted)?

NO

3. Does the facility store used oil?

Where?

4. Does the facility have any pipelines?

NO

5. Does the facility operate any service stations?

NO

RESPONSE

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?
TYPE NUMBER

Landfill _____
Incinerator _____
Transfer Point _____

2. Does the facility contract out the collection of its solid waste?

3. Does the facility have a:

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted?

Operated by: _____

4. Is waste transported offsite for disposal?

In landfills? _____

In incinerators? _____

Transfer Stations? _____

Recycling plant? ☒ _____

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

6. Does the facility receive refuse from outside the United States?

If YES, is laboratory testing performed? _____

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

If YES, how many? _____

No

Yes

No

Yes

No

No

Yes

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

Yes

Location	Substance	Capacity
<u>Z-Room</u>	<u>GASOLINE</u>	<u>15 GALLONS</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

2. Does the facility have any USTs?

NO

Location	Quantity	Size	Material Stored	Permitted
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

NO

4. Is there a program in place to manage unserviceable/abandoned tanks?

N/A

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?
2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:
Transformers_____
Capacitors_____
Electromagnets_____
Heat Transfer or Hydraulic Systems_____
Circuit Breaker_____
Fluorescent Light Ballasts_____
Other_____
3. Does the facility dispose of PCBs or PCB items at the facility
4. Does the facility transport PCBs
5. Has the facility conducted a complete facility-wide asbestos survey?
6. Does an Asbestos Management Plan exist?
7. Is maintenance done on items insulated with asbestos?
8. Has the facility undergone any asbestos removal projects in the past?
How long ago? _____
By contract or in-house? _____
9. Is there any asbestos on the facility that has been removed and is awaiting disposal?
10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

Please identify those projects and buildings.

Yes

NO

N/A

N/A

NO

NO

N/A

NO

NO

NO

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

N/A

12. Does the facility monitor for radon gas?

N/A

13. Is there a program to reduce radon threat?

N/A

14. Has the facility populace been informed of the final status?

N/A

15. Is the facility performing any lead based paint removal?

N/A

RESPONSE

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges:

NO

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities? _____

Operate cooling towers and pass through water? _____

Septic Systems? _____

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following?

NO

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

3. Are there any discharge bypass lines in the system?

NO

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations?

NO

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

5. What percent of vehicle maintenance is performed by contract?

40%

Is it performed onsite or offsite? 60% OFFSITE

40% ON SITE

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

NO

2. Does the facility maintain wellheads?

NO

3. Does the facility operate an underground injection well?

NO Yes

4. Are there groundwater aquifers on the facility?

Yes

Are they in use? NO

5. Is the facility located on a sole source aquifer?

NO

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

Yes

TEST WELLS

7. Are field water purification units used?

N/A

How is the backwash managed from these mobile units?

Signature of individual completing this form:

James Mc Morrow

Date completed:

3-18-96

Sandwich Marina

SANDWICH MARINA

HARBOR MASTER
P.O. BOX 1393
SANDWICH, MA 02563
TEL. (508) 833-0808



TOWN OF SANDWICH
THE OLDEST TOWN ON CAPE COD

March 13, 1996

Department of the Army
New England Division
Corp. of Engineers
4247 Trapelo Road
Waltham, Ma. 02254-9149
Attn: Frederick W. Colman

Dear Mr. Colman,

Enclosed is the completed ERGO Questionnaire you requested.

If you have any questions please do not hesitate to call our office at 508-833-0808.

Sincerely,

A handwritten signature in cursive script that reads "Brenda Manley".

Brenda Manley
Marina Secretary

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Sandwich Marina
 Environmental POC: _____
 Telephone Number: 508-833-0808

RESPONSE

Section 1. Air Emissions Management

1. Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each: No

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

2. Does the facility operate a fuel burner (central steam plant or hot water steam boiler)? No

If YES, how large and what fuel is used?

Size	Fuel
_____	_____
_____	_____
_____	_____

3. Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number. N6

Type	Number
_____	_____
_____	_____
_____	_____

4. Does the facility operate fuel dispensing facilities? Yes

How many? _____

5. Does the facility use any volatile organic compound (VOC) based solvent degreasers? No

RESPONSE

6. Does the facility operate maintenance shops?

Yes

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

No

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

No

9. Does the facility repair any units containing refrigerant?

No

10. Does the facility recycle/reclaim CFCs or halon?

No

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

No

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places? No
2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register? No
3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes? No
4. Is there an on-staff Cultural Resources Coordinator? No
5. If not, does a staff person have cultural resources as "other duties as assigned"? No
6. Does the facility have any archeological artifacts in storage?
7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains? No
8. Are there any areas on the facility considered to have religious importance to any Native American Tribe? No

Section 3. Hazardous Materials Management

- (NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Gasoline	
Diesel	

5. Does the facility store any flammable/combustible liquids? Yes
6. Does the facility store any compressed gases? Yes

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste? No
2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo? No
3. Does the facility generate more than 100 kg [220.46 lb, approx. 28 gal] but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo? No
4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo? No

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents _____

(This includes trichloroethane, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint _____ X
- Paint stripper, remover or thinner _____ X 1 Gal.
- Spray paint booth air filters _____
- Pesticides, insecticides, herbicides _____ X 1 Gal.
- NRC filters and test kits _____
- Super tropical bleach _____
- Ordnance, ammunition, explosives and residues _____
- Battery acid and caustics in unserviceable batteries _____
- Pharmaceuticals _____
- POL tank farm fuel system filters _____
- De-icing solution _____ X 75lbs.
- Printing ink, ink solvents, and cleaners _____ X
- Absorbent material and soil contaminated with hazardous waste _____ NO
- Other _____
- Other _____
- Other _____

5. What Hazardous Waste permits have been applied for?

_____ None

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal?

_____ No

7. Does the facility operate accumulation points?

_____ No

How many? _____

Where? _____

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

No

9. Does the facility treat hazardous waste onsite?

No

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at
other than an accumulation point?

No

Where? _____

11. Does the facility dispose of hazardous waste onsite?

No

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.) Yes
2. Does the facility have a plan for managing its natural resources? No
3. Are there any areas on the facility that have:
 A. Wetlands? If so, are they permitted/regulated by definition?
 B. Flood Plains?
 25-yr _____
 50-yr _____
 100-yr _____
 C. Shoreline? _____
 D. Forests? _____
4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated? No
5. Does the facility have any endangered species on its property? No

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)? No

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)? Boats.

3. Is the facility engaged in any real property transaction? Town owned land, to be transferred to Army Corp of Engineers

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

Yes

Contractor application? _____

In-house application? _____

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

No

3. Are pesticides stored on the facility?

Yes

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

5. Are pesticides used at offsite satellite facilities?

No

6. Does the facility maintain a pesticide/entomology shop?

No

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

No

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans? No
2. Is the SPCC/ISC exercised annually (mock spill events conducted)? No
3. Does the facility store used oil? No
Where?

4. Does the facility have any pipelines? Yes
5. Does the facility operate any service stations? Yes

RESPONSE

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?
TYPE NUMBER

No

Landfill _____
Incinerator _____
Transfer Point _____

Yes

2. Does the facility contract out the collection of its solid waste?

No

3. Does the facility have a:

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted?

Operated by: _____

4. Is waste transported offsite for disposal?

In landfills? _____

In incinerators? _____

Transfer Stations? _____

Recycling plant? _____

No

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

No

6. Does the facility receive refuse from outside the United States?

If YES, is laboratory testing performed? _____

No

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

If YES, how many? _____

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

No

Location	Substance	Capacity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Does the facility have any USTs?

Location	Quantity	Size	Material Stored	Permitted
_____	4000	_____	Gas	Yes
_____	4000	_____	Gas	Yes
_____	4000	_____	Diesel	Yes
_____	4000	_____	Diesel	Yes
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

No

4. Is there a program in place to manage unserviceable/abandoned tanks?

No

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs? No
2. Are PCBs or PCB-contaminated oils in use or stored at the facility in: No
- Transformers_____
- Capacitors_____
- Electromagnets_____
- Heat Transfer or Hydraulic Systems_____
- Circuit Breaker_____
- Fluorescent Light Ballasts_____
- Other_____
3. Does the facility dispose of PCBs or PCB items at the facility No
4. Does the facility transport PCBs No
5. Has the facility conducted a complete facility-wide asbestos survey? No
6. Does an Asbestos Management Plan exist? No
7. Is maintenance done on items insulated with asbestos? No
8. Has the facility undergone any asbestos removal projects in the past? No
- How long ago? _____
- By contract or in-house? _____
9. Is there any asbestos on the facility that has been removed and is awaiting disposal? No
10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment? No
- Please identify those projects and buildings.
- _____
- _____

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

N/A

12. Does the facility monitor for radon gas?

No

13. Is there a program to reduce radon threat?

No

14. Has the facility populace been informed of the final status?

No

15. Is the facility performing any lead based paint removal?

No

RESPONSE

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges:

No

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities?

Operate cooling towers and pass through water? _____

Septic Systems? _____

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following?

No

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

3. Are there any discharge bypass lines in the system?

No

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations?

No

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

5. What percent of vehicle maintenance is performed by contract?

100%

Is it performed onsite or offsite? Off Site

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system? No
2. Does the facility maintain wellheads? No
3. Does the facility operate an underground injection well? No
4. Are there groundwater aquifers on the facility? No
Are they in use? _____
5. Is the facility located on a sole source aquifer? No
6. Are protective or preventative measures in place to prevent contamination of these aquifers? No
7. Are field water purification units used? No

How is the backwash managed from these mobile units?

Signature of individual completing this form:

Brenda Chisley
Date completed: 3/12/96

Scusset Beach

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Sunset Beach
 Environmental POC: _____
 Telephone Number: 888-0859

RESPONSE

Section 1. Air Emissions Management

1. Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each:

1/0

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

2. Does the facility operate a fuel burner (central steam plant or hot water steam boiler)?

Yes

If YES, how large and what fuel is used?

Size	Fuel
<u>1000 ft</u>	_____
_____	_____
_____	_____

3. Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number.

No

Type	Number
_____	_____
_____	_____
_____	_____

4. Does the facility operate fuel dispensing facilities?

1/0

How many? _____

5. Does the facility use any volatile organic compound (VOC) based solvent degreasers?

1/0

RESPONSE

6. Does the facility operate maintenance shops?

No

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

No

What types of equipment? _____

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

No

9. Does the facility repair any units containing refrigerant?

No

10. Does the facility recycle/reclaim CFCs or halon?

No

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

No

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places?

YES

2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register?

YES

3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes?

NO

4. Is there an on-staff Cultural Resources Coordinator?

NO

5. If not, does a staff person have cultural resources as "other duties as assigned"?

NO

6. Does the facility have any archeological artifacts in storage?

7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains?

NO

8. Are there any areas on the facility considered to have religious importance to any Native American Tribe?

NO

RESPONSE

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

No

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

No

3. Does the facility store any extremely hazardous substances?

No

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

No

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

5. Does the facility store any flammable/combustible liquids?

YES

6. Does the facility store any compressed gases?

No

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

YES

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

YES

3. Does the facility generate more than 100 kg (220.46 lb, approx. 28 gal) but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

NO

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

NO

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents _____

(This includes trichloroethane, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint 5 gal
- Paint stripper, remover or thinner _____
- Spray paint booth air filters _____
- Pesticides, insecticides, herbicides _____
- NRC filters and test kits _____
- Super tropical bleach _____
- Ordnance, ammunition, explosives and residues _____
- Battery acid and caustics in unserviceable batteries _____
- Pharmaceuticals _____
- POL tank farm fuel system filters _____
- De-icing solution _____
- Printing ink, ink solvents, and cleaners _____
- Absorbent material and soil contaminated with hazardous waste _____
- Other _____
- Other _____
- Other _____

5. What Hazardous Waste permits have been applied for?

NA

Part A

Part B

Interim Status

None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal?

Yes

7. Does the facility operate accumulation points?

How many? _____

Where? _____

Yes

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

No

9. Does the facility treat hazardous waste onsite?

No

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point?

No

Where? _____

11. Does the facility dispose of hazardous waste onsite?

No

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.)

YES

2. Does the facility have a plan for managing its natural resources?

YES

3. Are there any areas on the facility that have:

YES

A. Wetlands? If so, are they permitted/regulated by definition?

B. Flood Plains?

25-yr _____

50-yr _____

100-yr _____

C. Shoreline? _____

D. Forests? _____

4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated?

YES

5. Does the facility have any endangered species on its property?

YES

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)?

Yes

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)?

No

3. Is the facility engaged in any real property transaction?

No

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

Yes

Contractor application? _____

In-house application? _____

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

No

3. Are pesticides stored on the facility?

Yes

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

No

5. Are pesticides used at offsite satellite facilities?

No

6. Does the facility maintain a pesticide/entomology shop?

No

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

No

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans?

No

2. Is the SPCC/ISC exercised annually (mock spill events conducted)?

No

3. Does the facility store used oil?

Yes

Where?

in a tank
in a tank
in a tank
in a tank

4. Does the facility have any pipelines?

Yes

5. Does the facility operate any service stations?

No

RESPONSE

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?
TYPE _____ NUMBER _____

NO

Landfill _____
Incinerator _____
Transfer Point _____

2. Does the facility contract out the collection of its solid waste?

YES

3. Does the facility have a:

YES

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted?

Operated by: _____

YES

4. Is waste transported offsite for disposal?

In landfills? _____

In incinerators? _____

Transfer Stations? _____

Recycling plant? _____

NO

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

NO

6. Does the facility receive refuse from outside the United States?

If YES, is laboratory testing performed? _____

NO

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities?

If YES, how many? _____

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

No

Location	Substance	Capacity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Does the facility have any USTs?

YES

Location	Quantity	Size	Material Stored	Permitted
<u>Comp 12-11</u>	<u>1</u>	<u>1500 gal</u>	<u>Fuel Oil</u>	<u>YES</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

No

4. Is there a program in place to manage unserviceable/abandoned tanks?

No

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?
2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:
 - Transformers_____
 - Capacitors_____
 - Electromagnets_____
 - Heat Transfer or Hydraulic Systems_____
 - Circuit Breaker_____
 - Fluorescent Light Ballasts_____
 - Other_____
3. Does the facility dispose of PCBs or PCB items at the facility
4. Does the facility transport PCBs
5. Has the facility conducted a complete facility-wide asbestos survey?
6. Does an Asbestos Management Plan exist?
7. Is maintenance done on items insulated with asbestos?
8. Has the facility undergone any asbestos removal projects in the past?
 - How long ago? 6 yrs
 - By contract or in-house? Contract
9. Is there any asbestos on the facility that has been removed and is awaiting disposal?
10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

Yes

Yes

No

No

No

No

No

Yes

No

No

Please identify those projects and buildings.

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

N/O

12. Does the facility monitor for radon gas?

N/O

13. Is there a program to reduce radon threat?

NA

14. Has the facility populace been informed of the final status?

NA

15. Is the facility performing any lead based paint removal?

N/A

RESPONSE

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges: YES

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities? _____

Operate cooling towers and pass through water? _____

Septic Systems? _____

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following? NO

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

3. Are there any discharge bypass lines in the system? NO

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations? NO

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal? _____

5. What percent of vehicle maintenance is performed by contract? 100%

Is it performed onsite or offsite? _____

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

YES

2. Does the facility maintain wellheads?

YES

3. Does the facility operate an underground injection well?

No

4. Are there groundwater aquifers on the facility?

YES

Are they in use? _____

5. Is the facility located on a sole source aquifer?

YES

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

No

7. Are field water purification units used?

No

How is the backwash managed from these mobile units?

Signature of individual completing this form: _____

Date completed: _____

[Signature]
2/26/96

Joe's Lobster Mart

Table 1

ERGO PREVISIT QUESTIONNAIRE (PVQ)

This questionnaire will provide background information necessary to plan and conduct an environmental compliance assessment. Additionally it provides insight for properly designing the composition of expertise on the assessment team.

Name of Facility: Joe's Lobster Boat
 Environmental POC: _____
 Telephone Number: 508 888-2971

RESPONSE

Section 1. Air Emissions Management

1. Does the facility have any air permits to maintain with state regulatory authority (i.e. boilers, pathological incinerators, operating or construction permits, paint spray booths, POL tank vents, etc.)? Inclusively list the types and numbers of each: no

Type of Permit	Quantity
_____	_____
_____	_____
_____	_____

2. Does the facility operate a fuel burner (central steam plant or hot water steam boiler)? no

If YES, how large and what fuel is used?

Size	Fuel
_____	_____
_____	_____
_____	_____

3. Does the facility operate an incinerator (i.e., for classified documents, solid waste, sewage sludge, etc.)? If YES, please list type and number. no

Type	Number
_____	_____
_____	_____
_____	_____

4. Does the facility operate fuel dispensing facilities? no

How many? _____

5. Does the facility use any volatile organic compound (VOC) based solvent degreasers? _____

RESPONSE

6. Does the facility operate maintenance shops?

no

Type	Quantity
Wheeled	_____
Tracked	_____
Aircraft	_____

Please list any additionally shop activities that generate any form of air pollution (i.e., vehicle emissions systems, ventilation systems for various operations, etc.)

7. Does the facility operate equipment or processes that could lead to fugitive emissions of vinyl chlorides or benzene?

no

What types of equipment? _____

no

8. Does the facility procure/use chlorofluorocarbons (CFC) or halon substances?

9. Does the facility repair any units containing refrigerant?

no

10. Does the facility recycle/reclaim CFCs or halon?

no

11. Does the facility have any vapor emissions requirements for oil/water separators that have been imposed upon them.

no

RESPONSE

Section 2. Cultural Resources Management

1. Does the facility have any cultural resources eligible for or that are currently listed in the National Register of Historic Places?

no

2. Are there any cultural resources (archeological sites, buildings over 50 yr old) that have not been evaluated for the National Register?

no

3. Does the facility Master Plan contain a cultural resources overlay that is utilized for planning purposes?

no

4. Is there an on-staff Cultural Resources Coordinator?

no

5. If not, does a staff person have cultural resources as "other duties as assigned"?

no

6. Does the facility have any archeological artifacts in storage?

no

7. Does the facility have in storage, or know of, any locations of Native American burials, cemeteries, or human remains?

no

8. Are there any areas on the facility considered to have religious importance to any Native American Tribe?

no

RESPONSE

Section 3. Hazardous Materials Management

1. Has the facility conducted training for individuals working with hazardous materials?

no

2. Does the facility have an Oil and Hazardous Substances Contingency Plan (OHSCP)?

no

3. Does the facility store any extremely hazardous substances?

no

4. Does the facility store at one time 10,000 lb or more of any hazardous substances that requires a Material Safety Data Sheet (MSDS) (fuel is a hazardous substance which requires an MSDS)?

no

(NOTE: Using water as a basis of measurement, 10,000 lb is approx. 1,250 gal.)

Please list substances

no

5. Does the facility store any flammable/combustible liquids?

6. Does the facility store any compressed gases?

no

RESPONSE

Section 4. Hazardous Waste Management

1. Is the facility a generator of hazardous waste?

no

2. Does the facility generate less than 100 kg [220.46 lb, approx. 28 gal] of hazardous waste in 1 mo?

no

3. Does the facility generate more than 100 kg [220.46 lb, approx. 28 gal] but less than 1000 kg [2204.62 lb, approx. 273 gal] of hazardous waste in 1 mo?

no

4. Does the facility generate more than 1000 kg [2204.62 lb, approx 273 gal] of hazardous waste in 1 mo?

no

RESPONSE

(NOTE: Any waste which is not excepted, which is listed in 40 CFR 261, or which exhibits the following characteristics is a hazardous waste:

- Ignitability (flash point <140 F) or
- Corrosivity (pH < 2 or > 12.5) or
- TCLP Toxicity (for As, Ba, Cd, Cr, Pb, Hg, Se, Ag, and selected pesticides or
- Reactive. (or CN).)

The following are hazardous wastes that may typically be found at a facility (check if used at this facility and indicate amount used):

- Solvents _____
(This includes trichloroethane, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, Carbon tetrachloride, Chlorinated Fluorocarbons, Toluene, MEK, Mineral spirits, and Xylene.)

- Liquid paint _____
- Paint stripper, remover or thinner _____
- Spray paint booth air filters _____
- Pesticides, insecticides, herbicides _____
- NRC filters and test kits _____
- Super tropical bleach _____
- Ordnance, ammunition, explosives and residues _____
- Battery acid and caustics in unserviceable batteries _____
- Pharmaceuticals _____
- POL tank farm fuel system filters _____
- De-icing solution _____
- Printing ink, ink solvents, and cleaners _____
- Absorbent material and soil contaminated with hazardous waste _____
- Other _____
- Other _____
- Other _____

5. What Hazardous Waste permits have been applied for? _____

Part A
Part B
Interim Status
None needed

6. Does the facility accept wastes from other facilities for treatment, storage, or disposal? no

7. Does the facility operate accumulation points?
How many? _____
Where? _____

RESPONSE

8. Does the facility operate satellite accumulation points?
How many? _____

no

9. Does the facility treat hazardous waste onsite?

no

How and where? _____

10. Does the facility store (temporary or long term) hazardous waste onsite at other than an accumulation point?

no

Where? _____

11. Does the facility dispose of hazardous waste onsite?

no

How and where? _____

RESPONSE

Section 5. Natural Resources Management

1. Does the facility have any outdoor recreation areas? (i.e., athletic fields, walking/hiking tracks, off-road vehicles tracks, etc.)

no

2. Does the facility have a plan for managing its natural resources?

no

3. Are there any areas on the facility that have:

no

A. Wetlands? If so, are they permitted/regulated by definition?

B. Flood Plains?

25-yr _____

50-yr _____

100-yr _____

C. Shoreline? _____

D. Forests? _____

no

4. Has a survey to locate and identify threatened and endangered species and critical habitats been initiated?

no

5. Does the facility have any endangered species on its property?

no

RESPONSE

Section 6. Other Environmental Issues

1. Has the facility recently (within the past 5 yr) prepared, or is it in the process of preparing, an environmental assessment (EA) or environmental impact statement (EIS)?

no

For current mission?

For future Master Plan?

Any construction projects, timber sales, etc.?

2. Does the facility have any operations that produce environmental noise or noise that goes outside the facility (i.e., ranges, skeet ranges, helicopter pad, generators, highway transportation)?

no

3. Is the facility engaged in any real property transaction?

no

RESPONSE

Section 7. Pesticide Management

1. Does the facility use pesticides?

Contractor application? _____

In-house application? _____

Both contractor and in-house application? _____

2. Are any pesticide wastes disposed of at the facility?

3. Are pesticides stored on the facility?

Please list locations.

4. What are the pesticides used at the facility?
(Attach a separate list if necessary)

5. Are pesticides used at offsite satellite facilities?

6. Does the facility maintain a pesticide/entomology shop?

If YES, is it permitted by the state?

7. Is there an annual inventory available for review?

RESPONSE

Section 8. Petroleum, Oil, and Lubricant (POL) Management

1. Does the facility have a current (3 yr old or less) Spill Prevention Control and Countermeasure (SPCC) plans?

no

2. Is the SPCC/ISC exercised annually (mock spill events conducted)?

no

3. Does the facility store used oil?

no

Where?

no

4. Does the facility have any pipelines?

5. Does the facility operate any service stations?

no

RESPONSE

Section 9. Solid Waste Management

1. Does the facility have a solid waste management facility onsite?
TYPE _____ NUMBER _____

Landfill _____
Incinerator _____
Transfer Point _____

2. Does the facility contract out the collection of its solid waste? _____

3. Does the facility have a: _____

solid waste recycling program? List commodities recycled:

Construction debris landfill:

Is it permitted? _____

Operated by: _____

4. Is waste transported offsite for disposal? _____

In landfills? _____

In incinerators? _____

Transfer Stations? _____

Recycling plant? _____

5. Does the facility dispose of ash residue or sludge:

Offsite? _____

Onsite? _____

6. Does the facility receive refuse from outside the United States? _____

If YES, is laboratory testing performed? _____

7. Does the facility operate battery shops, including charging areas within vehicle maintenance facilities? _____

If YES, how many? _____

RESPONSE

Section 10. Storage Tank Management

1. Does the facility have aboveground storage tanks (ASTs) used for the storage of petroleum products or hazardous waste?
(Attach additional page if necessary)

Location	Substance	Capacity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Does the facility have any USTs?

Location	Quantity	Size	Material Stored	Permitted
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach a separate inventory sheet if necessary)

3. Does the facility have any USTs out-of-service or abandoned?

4. Is there a program in place to manage unserviceable/abandoned tanks?

RESPONSE

Section 11. Toxic Substances Management

1. Has the facility conducted a survey for PCBs?

no

2. Are PCBs or PCB-contaminated oils in use or stored at the facility in:

no

Transformers_____

Capacitors_____

Electromagnets_____

Heat Transfer or Hydraulic Systems_____

Circuit Breaker_____

Fluorescent Light Ballasts_____

Other_____

no

3. Does the facility dispose of PCBs or PCB items at the facility

no

4. Does the facility transport PCBs

no

5. Has the facility conducted a complete facility-wide asbestos survey?

no

6. Does an Asbestos Management Plan exist?

no

7. Is maintenance done on items insulated with asbestos?

no

8. Has the facility undergone any asbestos removal projects in the past?

no

How long ago? _____

By contract or in-house? _____

no

9. Is there any asbestos on the facility that has been removed and is awaiting disposal?

no

10. Will the facility have any demolition, remodeling, or renovation projects underway at the time of the assessment?

no

Please identify those projects and buildings.

RESPONSE

11. Is asbestos material removed by contract or in-house personnel?

no
no

12. Does the facility monitor for radon gas?

no
no
no

13. Is there a program to reduce radon threat?

14. Has the facility populace been informed of the final status?

15. Is the facility performing any lead based paint removal?

Section 12. Wastewater Management

1. Does the facility have a National Pollutant Discharge Elimination System (NPDES) and/or State Pollutant Discharge Elimination System (SPDES) permit? Identify the types of discharges:

Stormwater runoff permits? _____

Drainage water from dredge and fill materials? _____

Wastewater treatment plant? _____

How many and what size? _____

Process wastewater? _____

Heat/Power production cooling blowdown water? _____

Stormwater runoff from fuel dispensing areas, airfields, and parking lots/aprons and maintenance facilities? _____

Vehicle wash facilities? How many? _____

Plating shops? _____

Does the facility maintain sedimentation holding ponds or seepage pits from vehicle/aircraft washing, maintenance shop drainage (shop operations and motor parks), and other activities? _____

Operate cooling towers and pass through water? _____

Septic Systems? _____

Fresh water wetlands? _____

Industrial waste system/discharge? _____

Lines which bypass treatment structures? _____

Other? _____

2. Does the facility discharges into a publicly owned treatment works (POTW) any of the following?

Process wastewater? _____

Domestic (sanitary) wastewater? _____

Industrial wastewater treatment plant effluent? _____

Other? _____

3. Are there any discharge bypass lines in the system?

4. Does the facility have any sludge disposal areas from vehicles/equipment washing operations?

Is the sludge analyzed or characterized on a scheduled frequency prior to disposal?

5. What percent of vehicle maintenance is performed by contract?

Is it performed onsite or offsite? _____

RESPONSE

Section 13. Water Quality Management

1. Does the facility operate a public drinking water system?

no

2. Does the facility maintain wellheads?

no

3. Does the facility operate an underground injection well?

no

4. Are there groundwater aquifers on the facility?

no

Are they in use? _____

5. Is the facility located on a sole source aquifer?

no

6. Are protective or preventative measures in place to prevent contamination of these aquifers?

no

7. Are field water purification units used?

no

How is the backwash managed from these mobile units?

Signature of individual completing this form: _____

Date completed: _____

[Signature]
4/3/96

APPENDIX B:
Photographs

Photo 1: Trail at Herring Run subject to mountain bike use.



Photo 2: Sagamore Hill - Vicinity of identified archaeological sites.



Photo 3: Coast Guard Boat House eligible for listing on the National Register of Historic Places.



Photo 4: Cape Cod Canal Project Landfill.



Photo 5: Cape Cod Canal Project Landfill.



Photo 6: Solid Waste at Sagamore Rifle Club.



Photo 7: Creosote timbers at Sagamore Rifle Club.



Photo 8: Discharge from sink on railroad bridge goes directly into canal without treatment.

